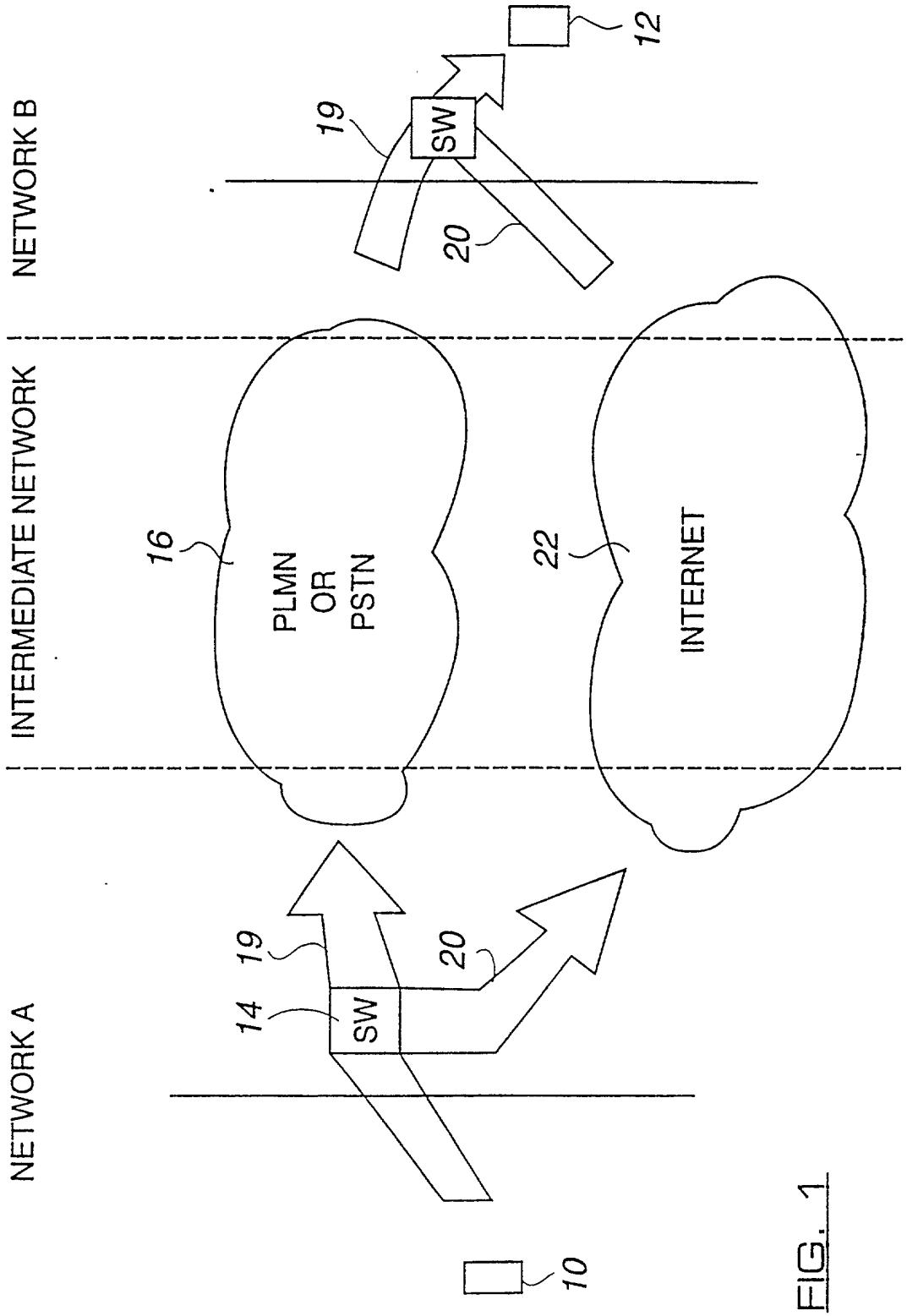
NETWORK B
INTERMEDIATE NETWORK
NETWORK A
PLMN OR PSTN
INTERNET
SW
SW
12
19
20
16
22
14
19
20
10

FIG. 1

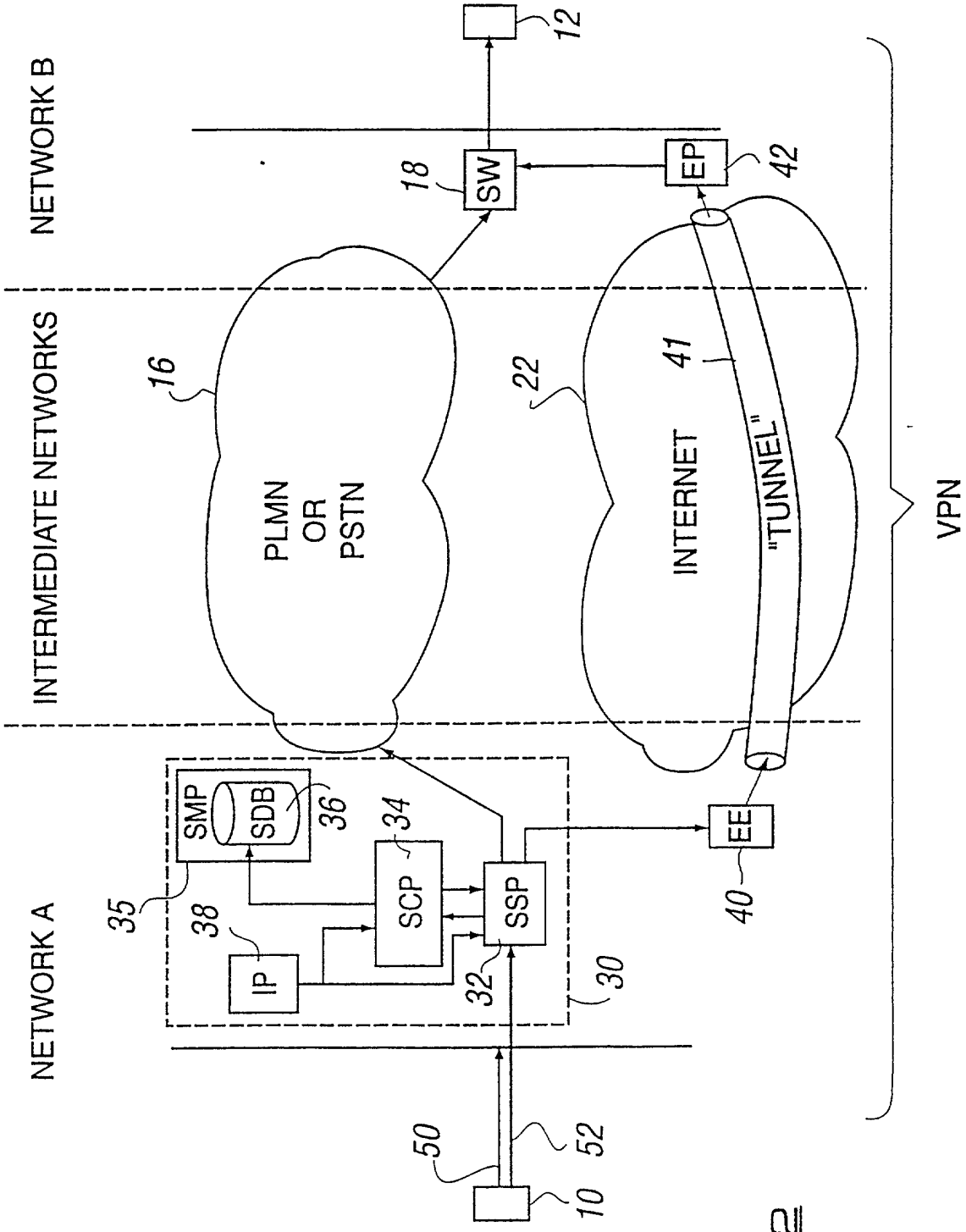
NETWORK B
INTERMEDIATE NETWORKS
NETWORK A
VPN
12
18
SW
EP
42
16
PLMN
OR
PSTN
22
41
INTERNET
"TUNNEL"
SMP
SDB
36
34
35
38
SCP
SSP
IP
32
30
EE
40
50
52
10

FIG. 2

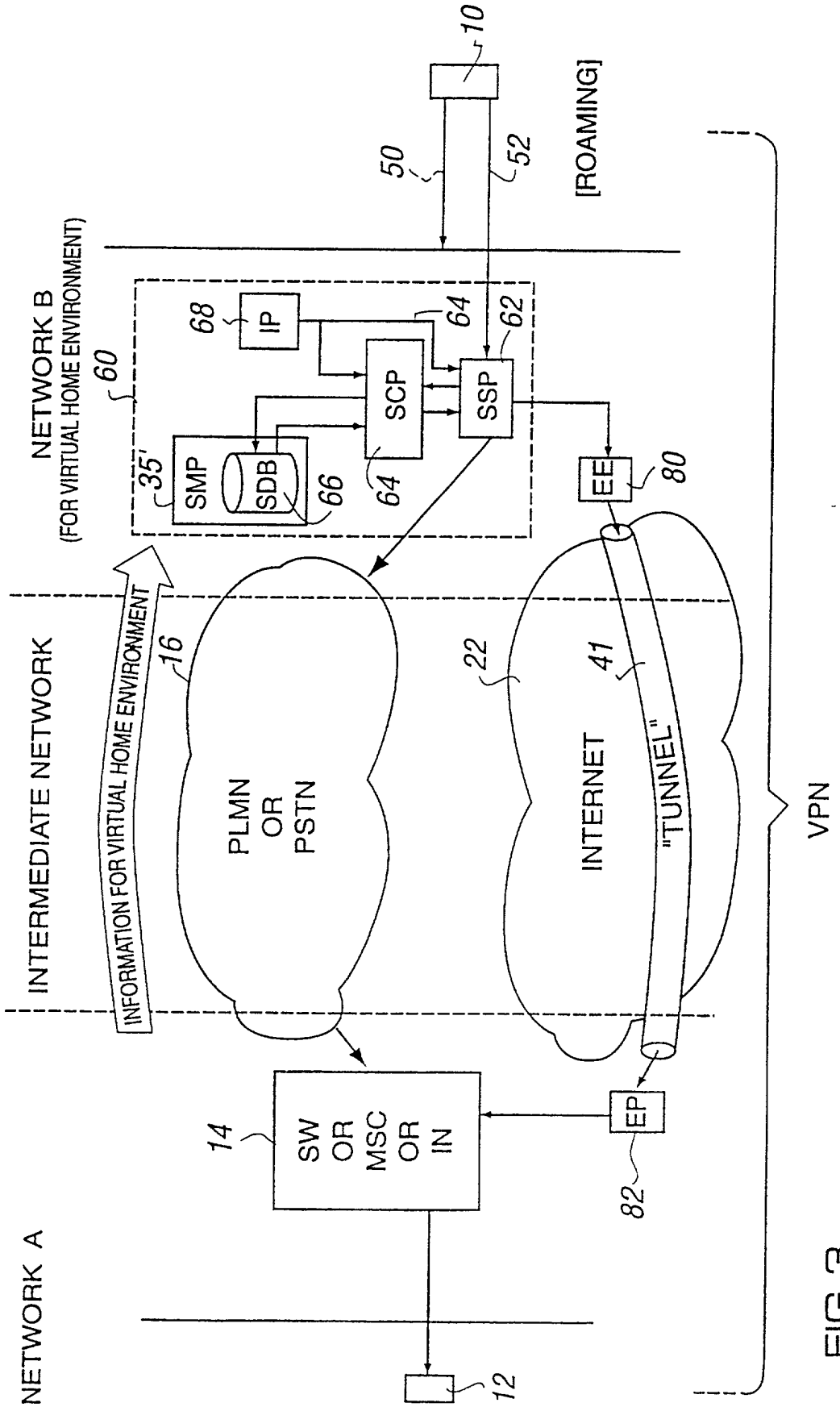
10
50
52
[ROAMING]
NETWORK B
(FOR VIRTUAL HOME ENVIRONMENT)
60
68
IP
64
62
SCP
SSP
35'
SMP
SDB
66
64
EE
80
INTERMEDIATE NETWORK
INFORMATION FOR VIRTUAL HOME ENVIRONMENT
16
PLMN
OR
PSTN
22
41
INTERNET
"TUNNEL"
VPN
14
SW
OR
MSC
OR
IN
EP
82
NETWORK A
12

FIG.3

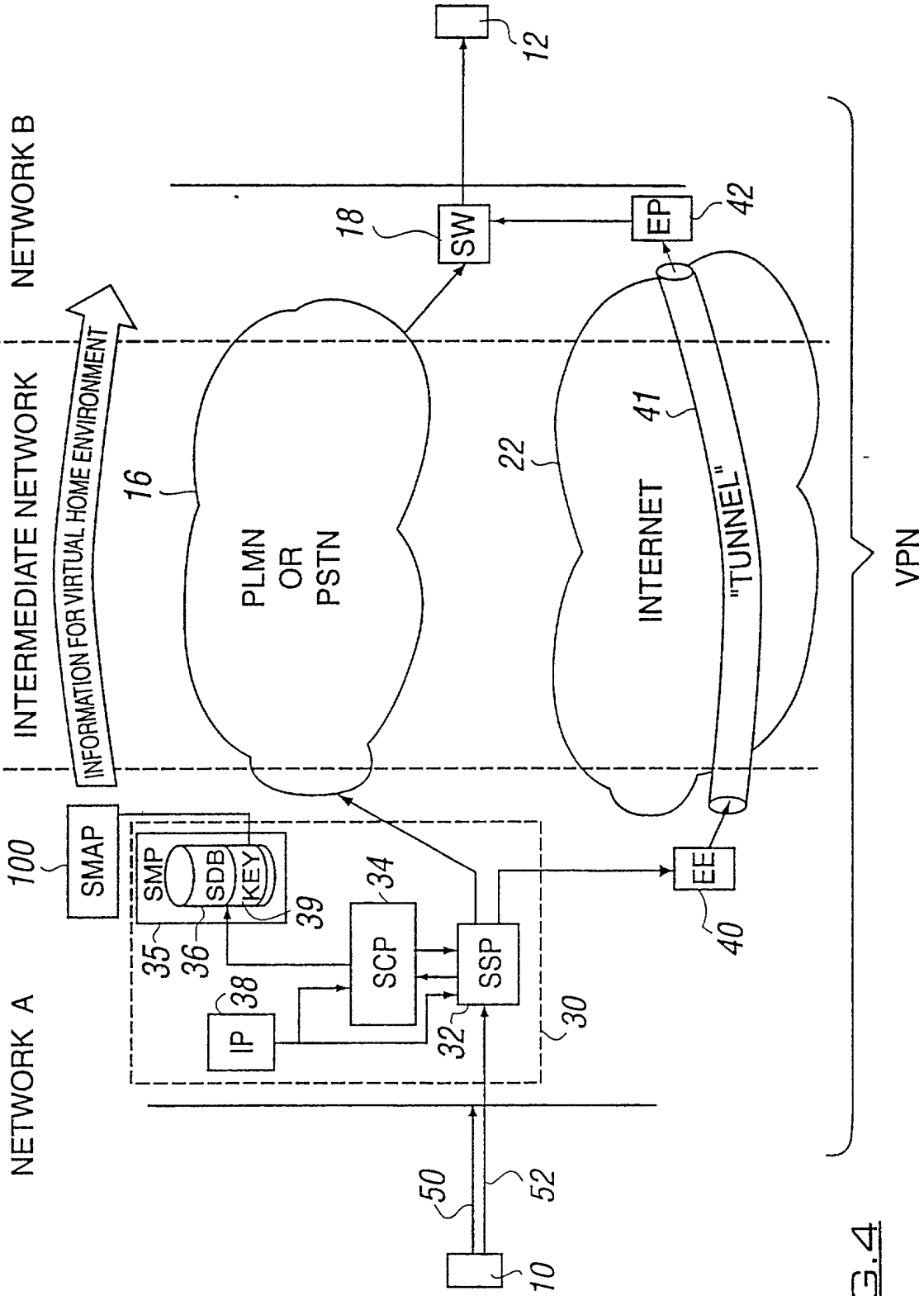
NETWORK B
INTERMEDIATE NETWORK
INFORMATION FOR VIRTUAL HOME ENVIRONMENT
NETWORK A
12
18
SW
EP
42
16
PLMN
OR
PSTN
22
41
INTERNET
"TUNNEL"
VPN
100
SMAP
SMP
SDB
KEY
39
34
35
36
38
SCP
SSP
IP
32
30
EE
40
50
52
10

FIG.4

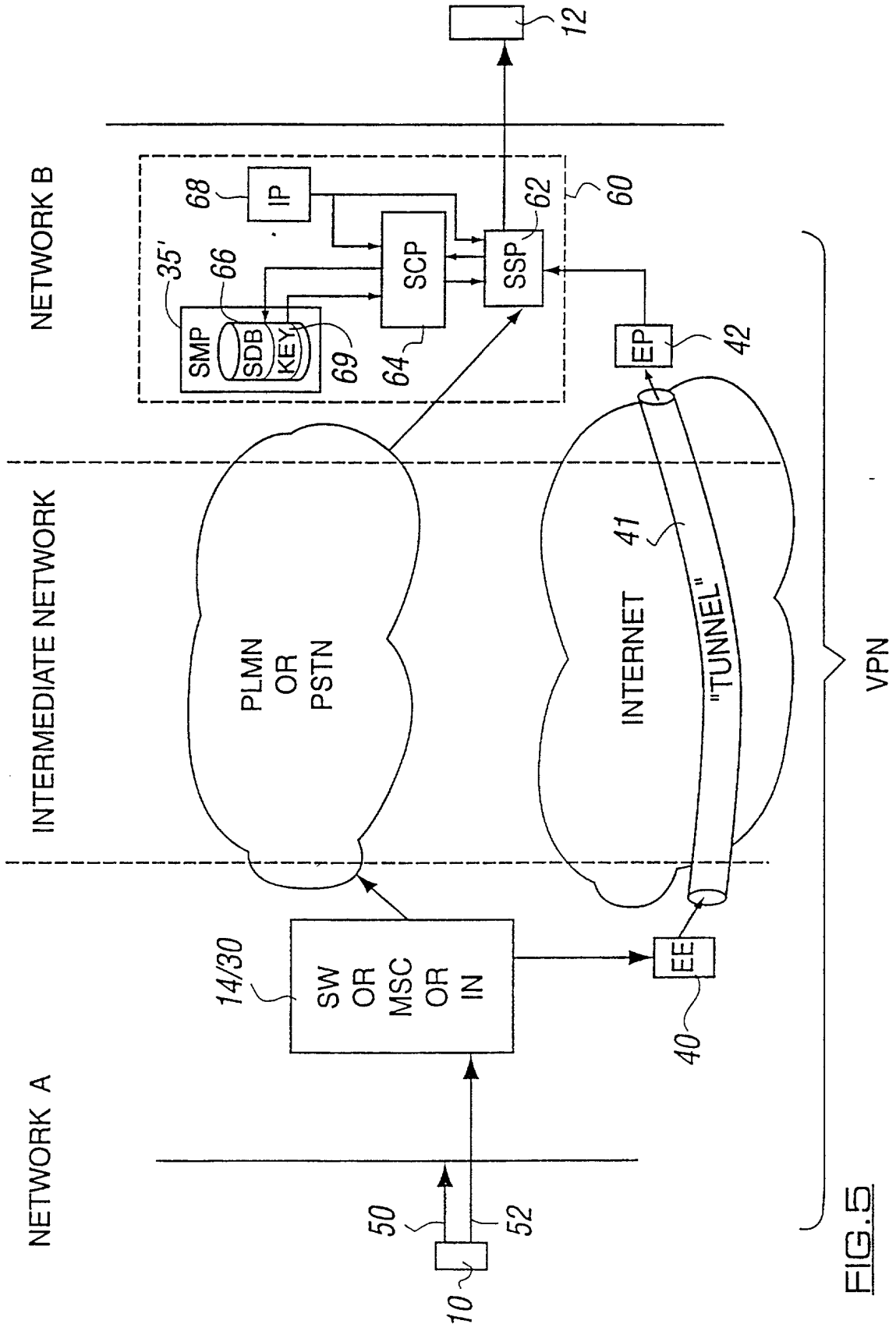
NETWORK A
NETWORK B
INTERMEDIATE NETWORK
VPN
SW OR MSC OR IN
14/30
PLMN OR PSTN
INTERNET
"TUNNEL"
41
EE
40
EP
42
SSP
62
SCP
64
IP
68
SMP
SDB
KEY
66
69
35'
60
12
10
50
52

FIG.5

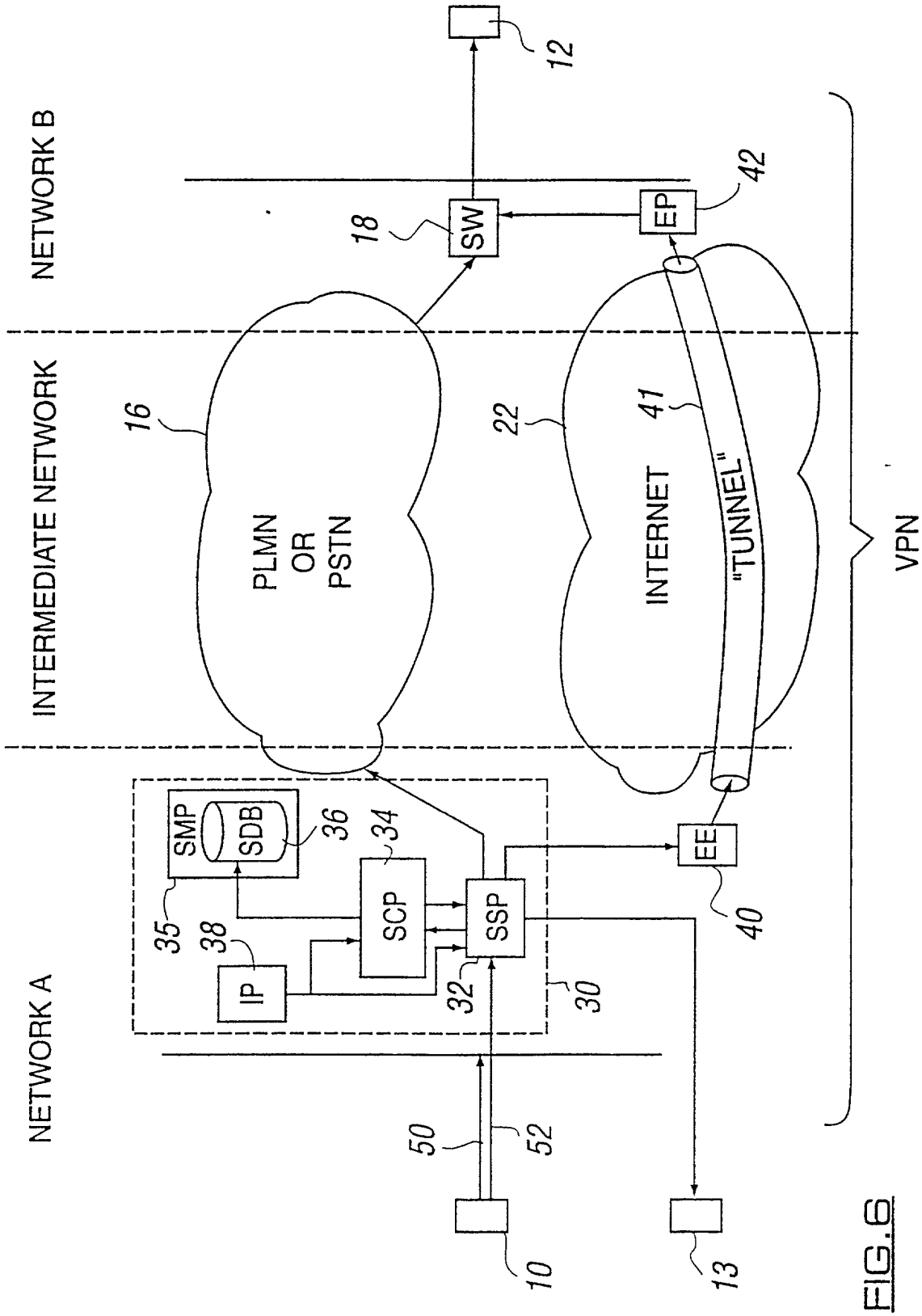
NETWORK B
INTERMEDIATE NETWORK
NETWORK A
VPN
12
18
SW
EP
42
16
PLMN
OR
PSTN
22
41
INTERNET
"TUNNEL"
SMP
SDB
36
34
35
38
SCP
SSP
IP
32
30
EE
40
50
52
10
13

FIG.6

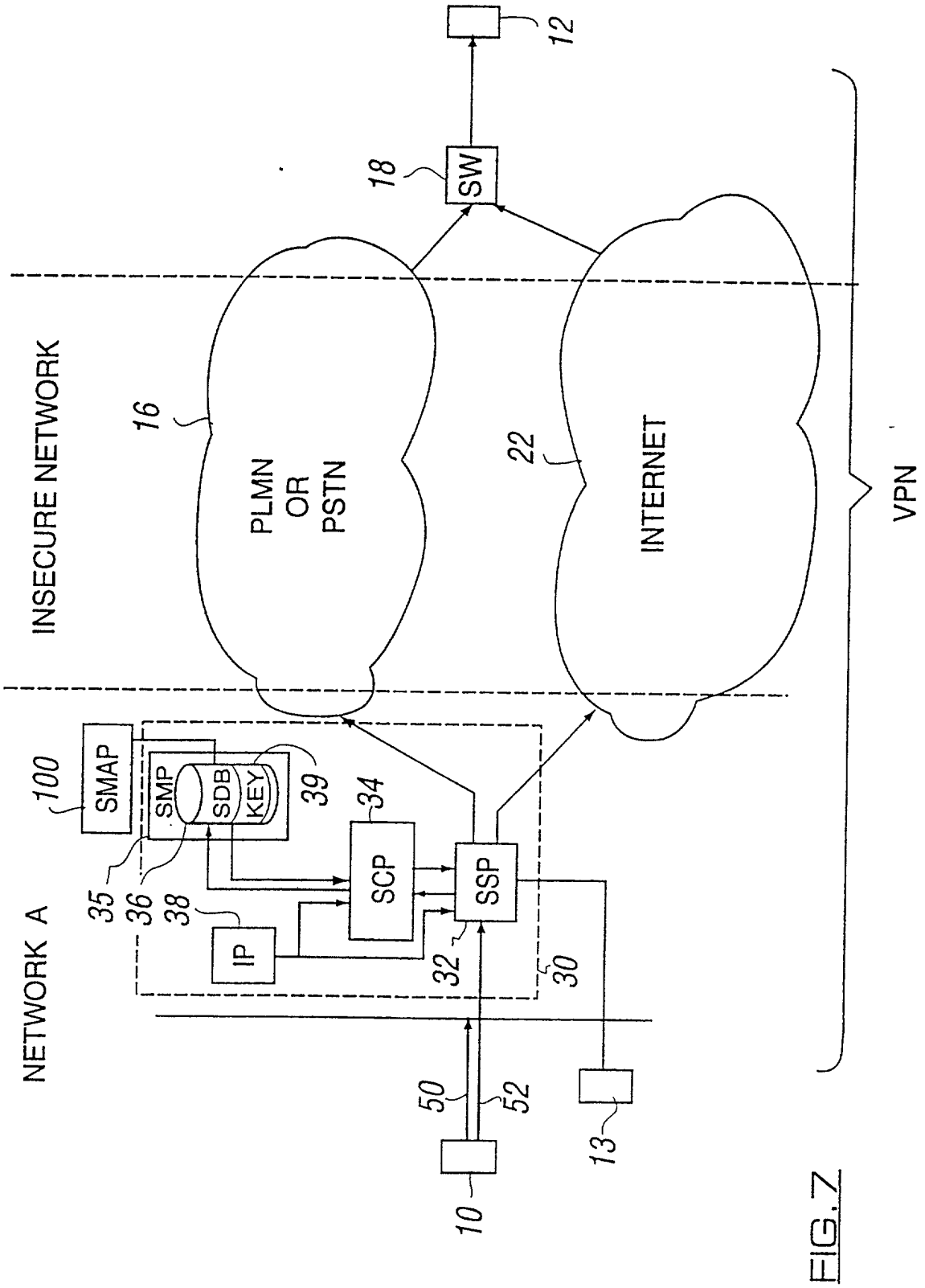
INSECURE NETWORK
NETWORK A
PLMN OR PSTN
INTERNET
VPN
SW
SMAP
SMP
SDB
KEY
SCP
SSP
IP
12
18
16
22
100
39
34
35
36
38
32
30
50
52
10
13

FIG.7